

**Electrical Power Distribution**

CEC-NRCC-ELC-01-E (Revised 01/16)

CALIFORNIA ENERGY COMMISSION



<b>CERTIFICATE OF COMPLIANCE</b>		<b>NRCC-ELC-01-E</b>
<b>Electrical Power Distribution</b>		<b>(Page 1 of 6)</b>
Project Name:	Date Prepared:	

<b>General Information</b>			
Project Address:		Climate Zone:	Conditioned Floor Area:  Unconditioned Floor Area:
Building Type:	<input type="checkbox"/> Nonresidential <input type="checkbox"/> Schools	<input type="checkbox"/> High-Rise Residential <input type="checkbox"/> Relocatable Public Schools	<input type="checkbox"/> Hotel/Motel  <input type="checkbox"/> Alteration
Phase of Construction:		<input type="checkbox"/> New Construction <input type="checkbox"/> Addition	<input type="checkbox"/> Alteration

*In the table below identify all applicable construction documents that specify the requirements for the scope of responsibility reported by this certificate. Use additional pages as needed to list all construction documents related to compliance of Section 130.5.*

Document Number	Document Title / Descriptions (include description information for Table or Schedule if it contains compliance information)	Document Sheet # or Page #	Indicate which subsection of Section 130.5 is related to the document (e.g. 130.5(a) for service electrical metering)

## NRCC-ELC-01-E

(Page 2 of 6)

Date Prepared:

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance January 2016

**Electrical Power Distribution**

CEC-NRCC-ELC-01-E (Revised 01/16)

CALIFORNIA ENERGY COMMISSION



<b>CERTIFICATE OF COMPLIANCE</b>		<b>NRCC-ELC-01-E</b>
<b>Electrical Power Distribution</b>		<b>(Page 3 of 6)</b>
Project Name:	Date Prepared:	

**A. Service Electrical Metering**

Check one of the three boxes below if the electrical power distribution system is in compliance with Section 130.5(a).

- ☐ For newly installed electrical service in newly constructed buildings, Service Electrical Metering is required according to Section 130.5(a). Fill out Column 1 thru 6 of table below.
- ☐ For new or replacement electrical service equipment in existing buildings, Service Electrical Metering is required according to Section 141.0(b)2Pi. Fill out Column 1 thru 6 of table below.
- ☐ EXCEPTION to Electrical Service Metering: Service or feeder for which the utility company provides a metering system that indicates instantaneous kW demand and kWh for a utility-defined period. Fill out Column 1, 2 and 6 of table below with the compliance information.

Fill out a separate line for each electrical service that is connected to the building. If additional table space is needed for electrical service information, submit additional page with the information.

Electrical Service Schedule	Electrical Service Rating	Metering Capabilities (check all that are present)				Exception to 130.5(a)	Field Inspector
01	02	03	04	05	06	07	08
Electrical Service Designation/Location/Description	kVA	Instantaneous (at the time) kW	Historical peak (kW)	Tracking kWh for a user- definable period	kWh per rate period	Utility metering system	Check that the metering complies
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Electrical Power Distribution**

CEC-NRCC-ELC-01-E (Revised 01/16)

CALIFORNIA ENERGY COMMISSION

**CERTIFICATE OF COMPLIANCE****NRCC-ELC-01-E****Electrical Power Distribution****(Page 4 of 6)**

Project Name:

Date Prepared:

**B. Separation of Electrical Circuits for Electrical Energy Monitoring**

Check all boxes below if the electrical power distribution system is in compliance with Section 130.5(b).

- ☐ The electrical power distribution system meets the separation of electrical circuits for electrical energy monitoring requirement of Section 130.5(b). The electrical power distribution system is designed so that measurement devices can monitor the electrical energy usage of load types according to TABLE 130.5-B.
- ☐ Describe the electrical power distribution system installed and the compliance method chosen in meeting the requirement of Section 130.5(b). Use the space below to include the information. Examples of compliance methods are detailed in Nonresidential Compliance Manual Chapter 8.

Fill out Column 1 thru 3 with the compliance information.

General information	Electrical Power Distribution System information and Method of compliance	Electrical Service Rating	Enforcement Agency
01	02	03	04
Electrical Service Designation/Location/Description	Describe the electrical power distribution system installed and the compliance method used.	kVA	Check that the system complies
			<input type="checkbox"/>

Field Inspector Notes:

**Electrical Power Distribution**

CEC-NRCC-ELC-01-E (Revised 01/16)

CALIFORNIA ENERGY COMMISSION



<b>CERTIFICATE OF COMPLIANCE</b>		<b>NRCC-ELC-01-E</b>
<b>Electrical Power Distribution</b>		<b>(Page 5 of 6)</b>
Project Name:	Date Prepared:	

<b>C. Voltage Drop</b> <i>Check all boxes below if the electrical power distribution system is in compliance with Section 130.5(c).</i>	<b>Enforcement Agency</b> Check that the system complies
<input type="checkbox"/> The electrical power distribution system meets the voltage drop requirement of Section 130.5(c). The maximum combined voltage drop on feeder conductors and branch circuit conductors to the farthest connected load or outlet, do not exceed 5%.	<input type="checkbox"/>
<input type="checkbox"/> Voltage drop calculation documents showing compliance to Section 130.5(c) are submitted as part of the compliance document submittal.	<input type="checkbox"/>

<b>D. Circuit Controls for 120-Volt Receptacles and Controlled Receptacles</b> <i>Check one or more boxes below for applicable requirements of Section 130.5(d) for the electrical power distribution system.</i>	<b>Field Inspector</b> Check that the system complies
<input type="checkbox"/> The control is capable of automatically shutting OFF the controlled receptacles when the space is typically unoccupied, either at the receptacle or circuit level. For the automatic time switch control, it incorporates an override control that allows the controlled receptacle to remain ON for no more than 2 hours when an override is initiated and an automatic holiday "shut-OFF" feature that turns OFF all loads for at least 24 hours and then resumes the normally scheduled operation. Countdown timer switches are not be used to comply with the automatic time switch control requirements. The controls meet the requirement of Section 130.5(d)1.	<input type="checkbox"/>
<input type="checkbox"/> There is at least one controlled receptacle within 6 ft from each uncontrolled receptacle. Where receptacles are installed in modular furniture in open office area, at least one controlled receptacle is installed at each workstation. The receptacles meet the requirement of Section 130.5(d)2.	<input type="checkbox"/>
<input type="checkbox"/> There are installed split wired receptacles with at least one controlled and one uncontrolled receptacle. Where receptacles are installed in modular furniture in open office area, at least one controlled receptacle is installed at each workstation. The receptacles meet the requirement of Section 130.5(d)2.	<input type="checkbox"/>
<input type="checkbox"/> Permanent and durable marking for controlled receptacles or circuits to differentiate them from uncontrolled receptacles or circuits is provided. The markings meet the requirement of Section 130.5(d)3.	<input type="checkbox"/>
<input type="checkbox"/> For hotel and motel guest rooms, there are controlled receptacles for at least one-half of the 120-volt receptacles in each guest room. Electric circuits serving controlled receptacles in guestrooms are installed to have captive key controls, occupancy sensing controls, or automatic controls so the power is switched off no longer than 30 minutes after the guest room has been vacated. The receptacles meet the requirement of Section 130.5(d)4.	<input type="checkbox"/>
<input type="checkbox"/> Receptacles that are only for the following purposes are excepted from Section 130.5(d): -Receptacles specifically for refrigerators and water dispensers in kitchen areas. -Receptacles located a minimum of six ft above the floor that are specifically for clocks. -Receptacles for network copiers, fax machines, A/V and data equipment other than personal computers in copy rooms. -Receptacles on circuits rated more than 20 amperes. -Receptacles connected to an uninterruptible power supply (UPS) that are intended to be in continuous use, 24 hours per day/365 days per year, and are marked to differentiate them from other uncontrolled receptacles or circuits.	<input type="checkbox"/>

**Electrical Power Distribution**

CEC-NRCC-ELC-01-E (Revised 01/16)

CALIFORNIA ENERGY COMMISSION



<b>CERTIFICATE OF COMPLIANCE</b>	<b>NRCC-ELC-01-E</b>
<b>Electrical Power Distribution</b>	<b>(Page 6 of 6)</b>
Project Name:	Date Prepared:

<b>DOCUMENTATION AUTHOR'S DECLARATION STATEMENT</b>	
1. I certify that this Certificate of Compliance documentation is accurate and complete.	
Documentation Author Name:	Documentation Author Signature:
Company:	Signature Date:
Address:	CEA/ HERS Certification Identification (if applicable):
City/State/Zip:	Phone:
<b>RESPONSIBLE PERSON'S DECLARATION STATEMENT</b>	
I certify the following under penalty of perjury, under the laws of the State of California:	
<ol style="list-style-type: none"> <li>1. The information provided on this Certificate of Compliance is true and correct.</li> <li>2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).</li> <li>3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.</li> <li>4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.</li> <li>5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.</li> </ol>	
Responsible Designer Name:	Responsible Designer Signature:
Company :	Date Signed:
Address:	License:
City/State/Zip:	Phone: